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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/555,399	07/27/2000	AKIMITSU TSUKUDA	599-203P	2005

2292 7590 06/17/2003

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EXAMINER

RESAN, STEVAN A

ART UNIT	PAPER NUMBER
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1773

DATE MAILED: 06/17/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/555,399

Applicant(s)

TSUKUDA ET AL.

Examiner

Stevan A. Resan

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 March 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5,7 and 8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5,7 and 8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

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1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 30 January 2003 has been entered.

2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

3. In view of the specification and applicants arguments the examiner will interpret the film to be a "biaxially oriented film".

4. Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Hachiboshi et al US 4133802. See Col 3 lines 5-15 wherein the draw speed is disclosed as a results effective variable and Table 4 Test pieces 80 and 87.

The process used to form these aromatic polyamide film test pieces appears to be the same as applicants process and therefore would be expected to produce a product having the same properties as applicants process.

It has been held that where claimed and prior art products are identical or substantially identical in structure or in composition, or are produced by identical or substantially identical processes (as in the present case) a case of anticipation or a prima facie case of obviousness has been established and the burden of proof is shifted

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to applicant to show that prior art products do not necessarily or inherently possess the characteristic of a claimed product whether the rejection is based upon "inherency" under 35 USC 102 or on "prima facie obviousness" under 35 USC 103 jointly or alternately. In re Best 562 F2d 1252, 1255, 195 USPQ 430, 433 (CCPA 1977); In re Ludke, 58 CCPA 1159, 441 F 2d at 212-13, 169 USPQ 563 (1971); In re Brown, 59 CCPA 1036, 459 F. 2d 531, 173 USPQ 685 (1972).

" When the PTO shows a sound basis for believing that the products of the applicant and the prior art are the same, the applicant has the burden of showing that they are not". In re Spada. 911 F2d 705, 709, 15 USPQ 2d 1655 (Fed. Cir. 1990).

5. Claims 5,7,8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hachiboshi et al US 4133802 as applied to claim 1 in view of Suwarnasarn US 4833019.

Hachiboshi et al do not disclose the tensile modulus ratio in the range claimed in claim 5 nor the films use as a substrate having a magnetic layer.

However Suwarnasarn teach non magnetic support films with MD to TD tensile modulus ratios of 0.63 to 0.40 (See Fig 2) which translates to TD to MD ratios of about 1.69 to 2.5 which is fully within the claimed range of claim 5 and which film may have a tensile modulus in the range of claim 4 (Col 3 line 19).

Therefore it would have been obvious to one of ordinary skill in the art to control the tensile modulus ratio of the film of Hachiboshi et al to the range taught by Suwarnasarn when the film of Hachiboshi et al was used as a non magnetic support film of a magnetic recording tape since Suwarnasarn teaches that it will provide improved

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center head contact. The limit of claim 8 is considered merely a statement of intended use.

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Asakura et al US 4645702 is cited for teaching a magnetic recording medium using an aromatic polyamide film as a substrate.

Okumura et al US 4698195 is cited for teaching a tenter method for biaxial orientation of a polyamide film which produces a flat film.

Itoyama et al US 4798875 is cited for teaching biaxially oriented films oriented in the MD direction at 833% per sec. And in the CD direction at 83% per sec.

Ito et al is cited for teaching an aromatic polyamide film having a ratio of tensile modulus (TD/MD) of between .5 and 2.0.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stevan A. Resan whose telephone number is (703) 308-4287. The examiner can normally be reached on Tues-Fri from 7:30AM to 6:00PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Thibodeau, can be reached on (703) 308-2367. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-7718


STEVAN A. RESAN
PRIMARY EXAMINER